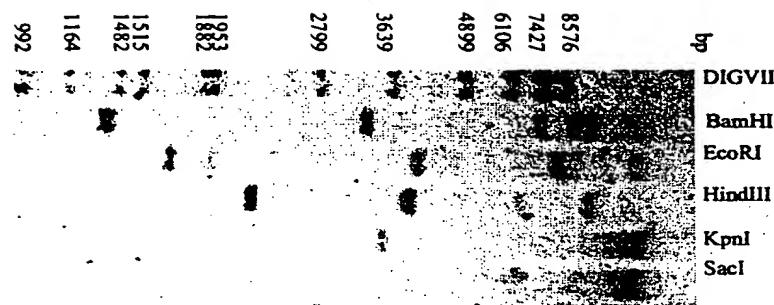


FIGURE 1 A



Soybean genomic DNA Southern blot hybridized
with the SAMS cDNA probe.

FIGURE 1B

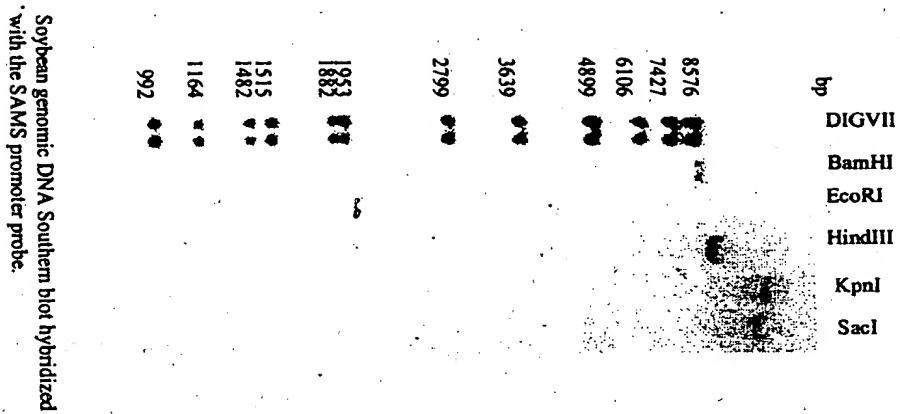


FIGURE 2

ATCGATAGAGACATGTTATTCAAAACCATAAAATGATGGCTAAATTGGTGTGATTGGAACCATCTGTTTATTATG
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TTCATATACATGCTTAGAATAAAATGCCATAAAATTAGATAAAATCTGCAAAAGATTTCACAAATCTTCAGAAAAAA
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TTGCACTTCACAAACCGATGGTCAAGATTGGTGGGAGATTTCATTCAGACATATCCCTTCAAACCTCTACTTACT
TCGTCGGTTCGGTAATCGTAACATTAGACTTTCAAATCATTTCATTTAAACCGTAAACAGTAAATTGGAGGACAAAAAA
ATATTTTCAATTGGATAGACTATTTCATTTGTAATTGACGACCAAAACCGATTTATCTGAGATTTCAGAAC
ACAGATTCACAAACCAATATTATTTCTAAACAAAATTCTACGGCAGCATGCCCTAGCCCATGAAAAAAACC
TTAAAAAAATCTACACATTGACCATGAAAAGATTGTTCTCCCATGGTAACCGAGTCAACACTCACCAACATCAA
CATGGATATCTCCCTAACCAATCATCTTTATTTGGTTAAATTATTCATATTAAAGATATTAAAGAAAT
TAAAGATTTTAAAAAAATGTTATAAAATTATATTATTCATGATTTCATACATTGATTGATTTGATAATAAAATATATT
TTTTAAATTCTTAAACAAATGTTGCAAGACACTTATTAGACATAGTCTGTTCTGTTACAAAAGGATTCTCATCATTAAAT
ACATTAACAAATTTAAACTAAACAGTAAAGGATCTTCTGAGTGGGTGAGTGGCAACCTGGGATTGAAACCGAGA
GAAAGAGTCAGAACAGAACAACTAAAGGATTCACAAACAAATCAAAAGGGCAAAAGCTGGGTTGG
TCAATTGGTGTCTCATTCACCTCAACTCACTCAACGGTTGAGATTCACTCTGACTTCCCCAATCTAACCGGGGATG
CAAACGGTGAATCTAACCCACAATCCATCTGTTACTTAGGGGCTTCTGGCTCAAGATTGAGACACACTGGTCACTATA
TCCCTATAAAATGGAACTCAATGCTCCCTCTAAACTCTGATCGCTTCAAGGTTGAGACACACTGGTCACTATA
TCTCTGGCTCTCTCTCTCTCAACTCTCAAGGTTACTTCTCTCTCAACTGGGCTCATCTAGGATTCATGGAACACTAC
TTTGGGATCTGGACTCTGGTTTGCTTTGCCCTGCTTTCTCAACTGGGCTCATCTAGGATTCATGGAACACTAC
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CAGTTGGTTGCTATATGTTAAAAAAATGAAATTCTGTTTAAATTCTATATAACCTTTTATGGCAAAAATT
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AGCCAAGCCCCACTCAACCAACCAACTCTCTGCTCTTCTACCTTCAGATTTTAAAGCTATAA
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AGATGGCAGAGACATTCTATTACCTCAGAGTCAGTGAACGAGGGACACCCCTGACAAGCTCTGCACCAATCTCCGAT
GCTGCTCTCGACGCTGCTCGAACAGGACCCAGACAGCAAGGTTGCTGCAAACATGCACCAAGACCAACTGGTCA
GCTGCTCTCGACGCTGCTGCTTGAACAGGACCCAGACAGCAAGGTTGCTGCAAACATGCACCAAGACCAACTGGTCA
GGTCTTCGGAGAGATC
GGTCTTCGGAGAGATC

FIGURE 3

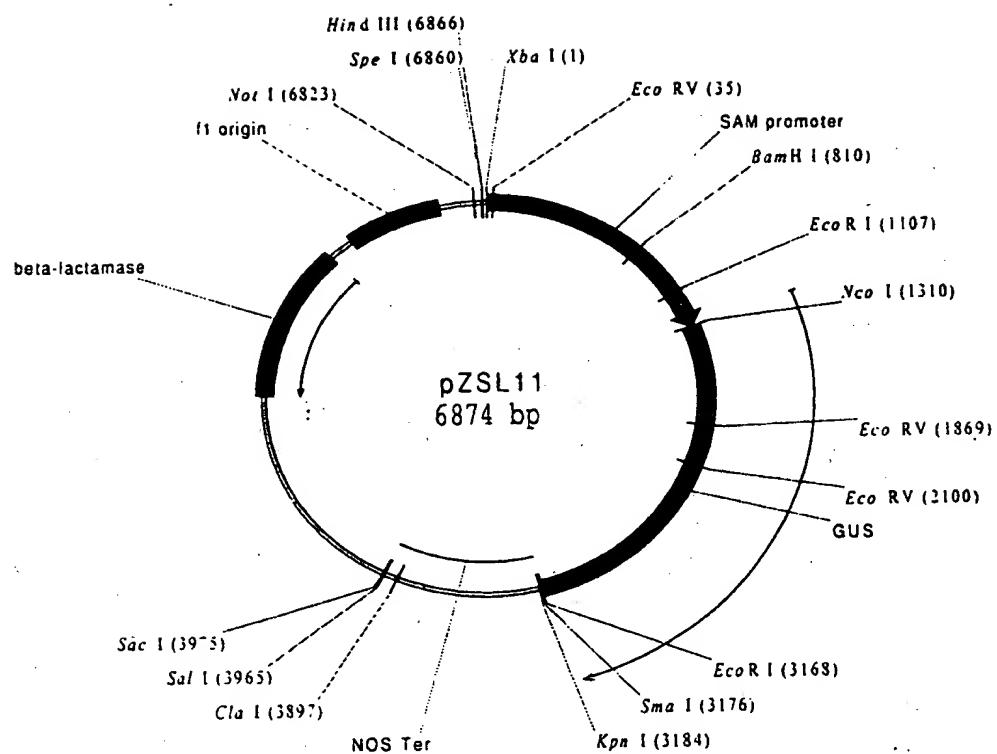


FIGURE 4

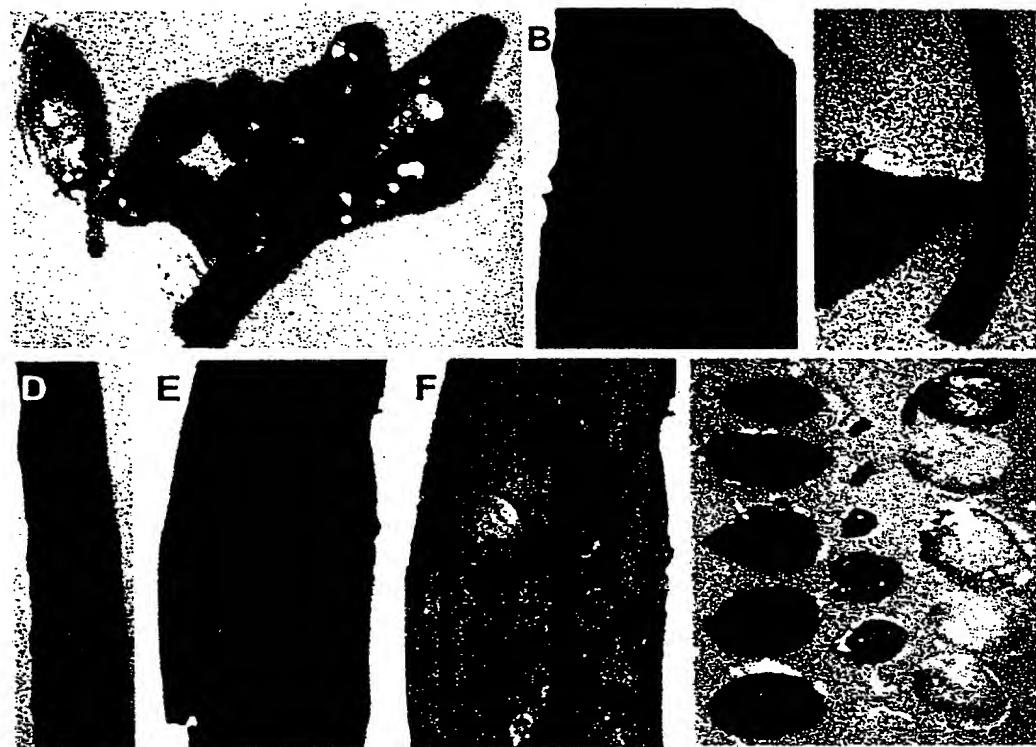


FIGURE 5

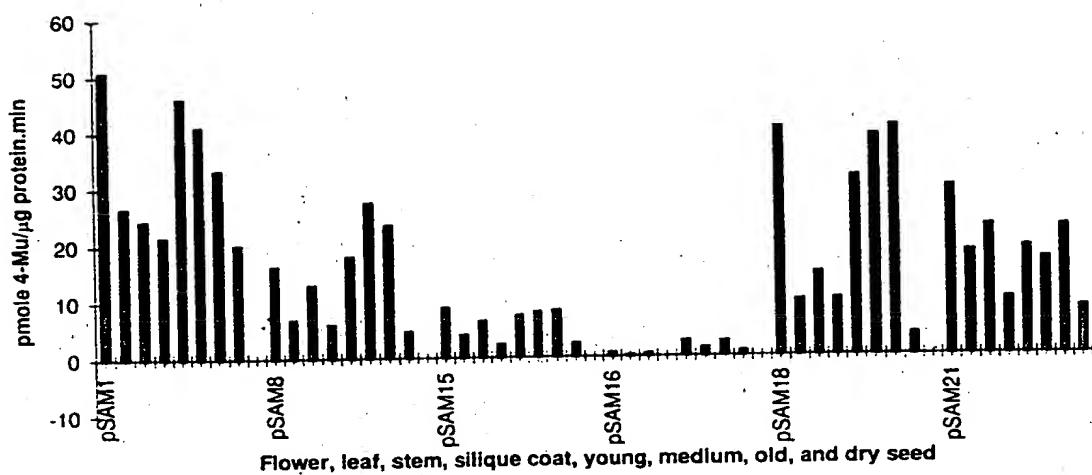
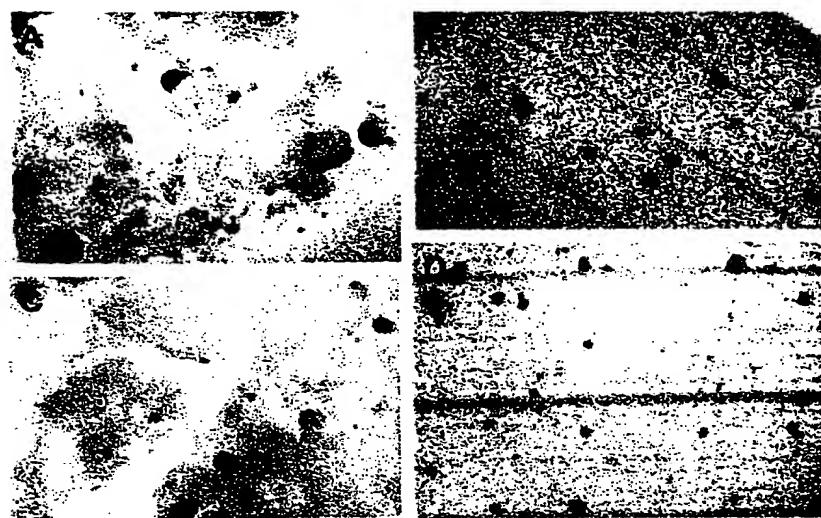


FIGURE 6



0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

FIGURE 7

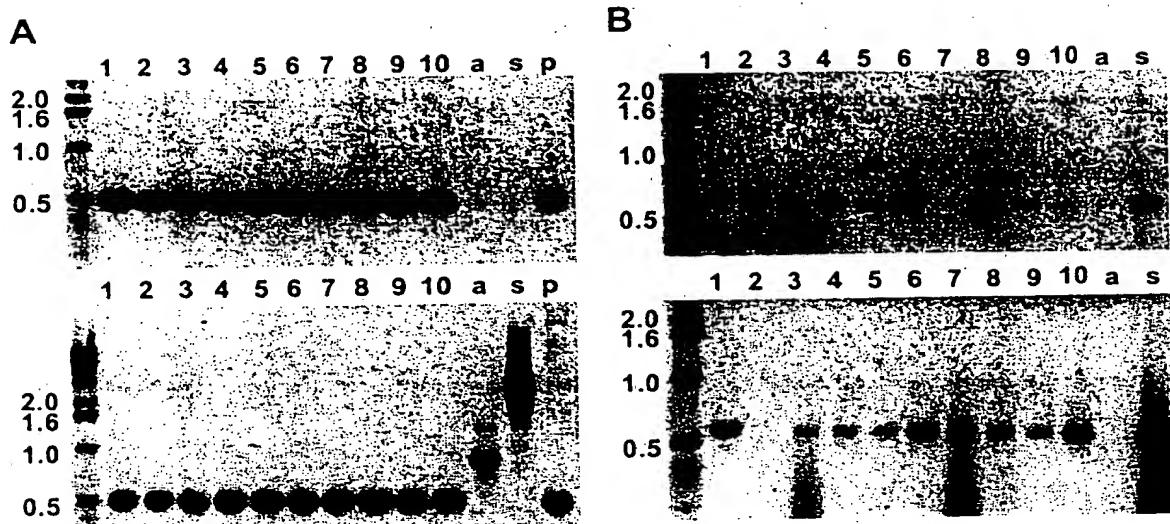
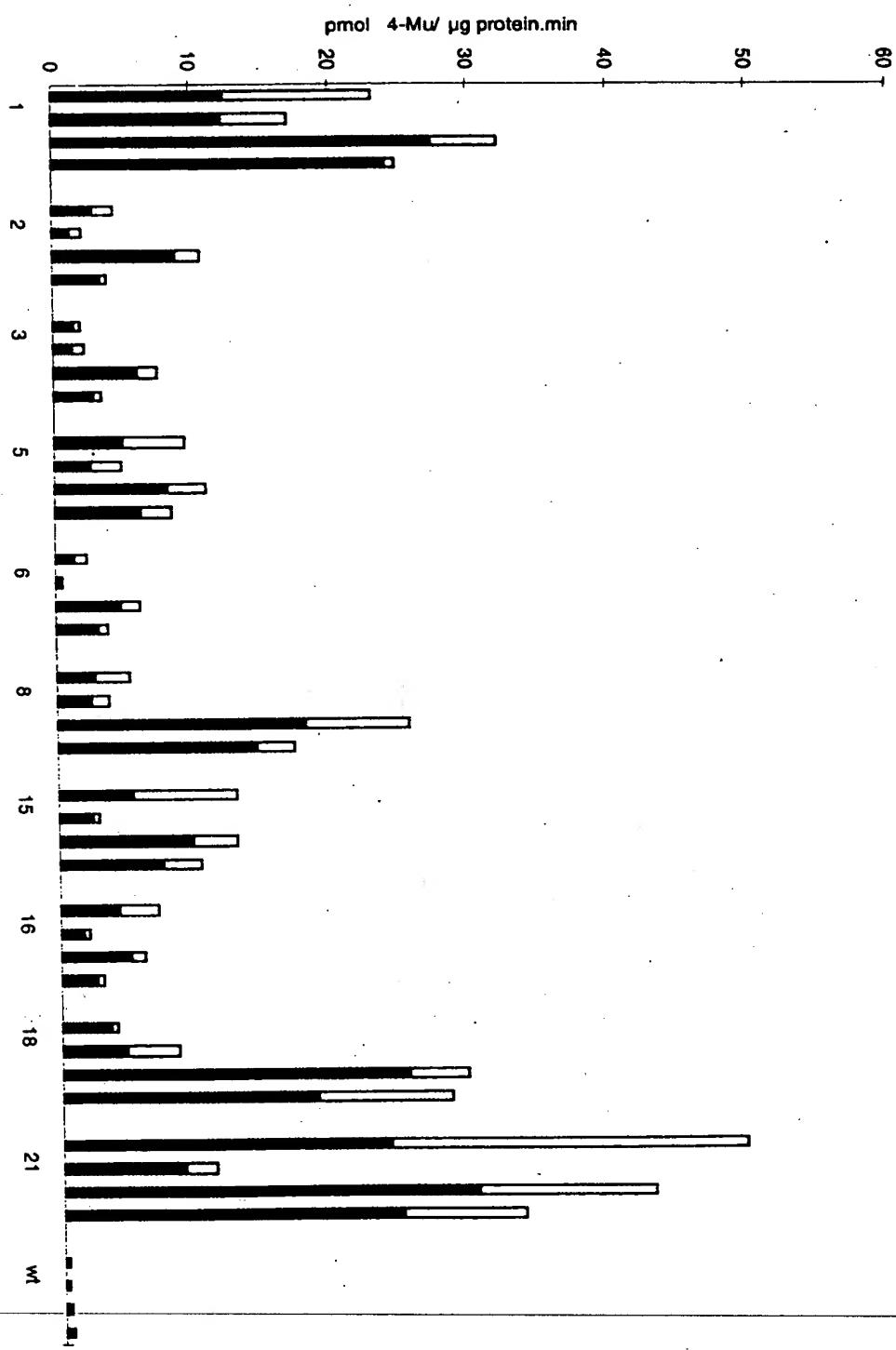


FIGURE 8



Induction of SAMS promoter activity by free methionine. Seeds of ten transgenic *Arabidopsis* lines transformed with SAMS::GUS construct were germinated on filter papers soaked with H₂O, 1x Murashige and Skoog salt, 0.01 mM, and 1 mM methionine. Ten days old seedlings were harvested and assayed for GUS activity. The solid bar and hollow bar indicate, respectively, the average and the standard variation of three samples for treatment.

FIGURE 9

